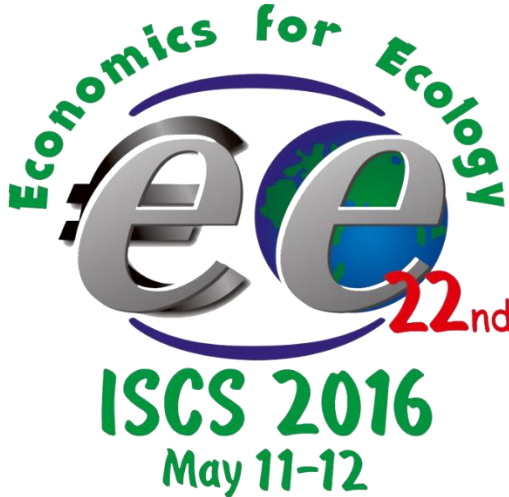


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## References:

1. Law of Ukraine "On energy saving" of 01.07.1994 - number 74/94-VR - Official. kind. [Electronic resource] / Access: <http://zakon3.rada.gov.ua/laws/show/74/94-%D0%B2%D1%80>
2. "Energy Strategy of Ukraine till 2030" from July 24, 2013 r.- number 1071-r - Official. kind. [Electronic resource] / Access: <http://zakon5.rada.gov.ua/laws/show/n0002120-13/paran3#n3>
3. Shidlovskii AK, resources and energy flow / under total. Ed. A.K.Shydlovskoho - Kyiv: UEZ, 2003. - 472p.
4. Statistics on fuel and energy balance. Official site of the State Statistics Committee [electronic resource] / Access: <http://www.ukrstat.gov.ua/>
5. Statistical data, Ukraine's GDP [electronic resource] / Access: <http://index.minfin.com.ua/index/gdp/>
6. Statistical data of the population of Ukraine. Official site of the State Statistics Committee [electronic resource] / Access: <http://www.ukrstat.gov.ua/>

## **ENVIRONMENTAL PROBLEM AS THE COMPONENT OF IRRATIONAL FUNCTIONING OF THE GLOBAL ECONOMY**

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One of the main factors that affect the preservation and development of society is a clean living environment on the planet. However, in the process of inefficient functioning of the global economy one of the first items in the list of global problems is environmental issue.

Conflicts concerning this matter took place even in the beginning of civilization, but today this range of problems is quite essential and urgent. Exploring the environmental problem in the global economy should take into account all the peculiarities of society at contemporary stage of development, the regularity of biospheric processes and their impact on the development of industrial activity, pressure on the environment [1].

The purpose of the study is to determine the aggravation of environmental problems due to the inefficient functioning of the global economy.

The environmental problem in the global economy is caused by several factors:

- the increasing number of emergencies, disasters and environmental accidents of industrial and man-made character (nature);
- the manifestation of anti ecological tendencies of nature usage;
- the attraction of new areas into (production) manufacture by removing them from the natural ecosystems;
- mining of raw materials in various branches of economy;
- the shortage of drinking water;
- air pollution;
- waste reclamation;
- water pollution;
- the alteration of social values.

These days, humanity actively begins to interact with the environment and extensively uses its resources. This leads to the escalation of the environmental conflict. Thus, for instance, ecodestructive nature of the attraction and the usage of natural resources in manufacturing processes and consumption have negatively affected the quality of ecosystem services:

- providing. These include fresh water, mineral resources, fuel and energy resources, etc.;
- regulating. They are such as: atmospheric gas, climate, water resources, and other;
- supporting. These services include circulation of water and energy in the nature, soil formation processes, etc.;
- cultural. They incorporate ethnic culture and aesthetic values [2].

Among the number of global issues related to the process of economic development, to the most pressing problems are included depletion of natural resources, pollution and rapid population growth. These problems are quite interconnected. For example, currently there are very limited natural resources but the number of population and its material needs tend to increase. At the same time we can observe a range of other negative consequences, such as soil degradation, reduction of forest areas, pollution of seas, inland waters, rivers and air. This list can be continued, but then the question arises: ‘Are these vital resources inexhaustible?’ Maybe they are not.

In confirmation of this is inseparable process that is associated with the industrialization of production processes based on the use of NTP, increased amount of usage of natural resources. All this eventually leads to

the excessive deterioration of social relations with the environment and amplification of the resource and ecological crisis in almost all regions of the world [3].

Moreover, exacerbation of political, national, social and economic contradictions between countries and nations regarding the use of resources of the biosphere is another significant reason. In future this problem is able to generate unpredictable global social and international conflicts and potential disasters.

In general, depletion of natural resources' potential, reduction of minerals, entail a negative impact on the ecosystem. Owing to this, the strategic task for the whole world, of how to settle ecological problems, should be the development of approaches that will be built upon adequate and effective mechanisms of regulation of sustainable development. For the further, all activities of the society should not contradict natural laws, in order not to lead to irreversible processes in the ecosystem.

#### **References:**

1. Herasymchuk, Z. (2011). *Naukovi osnovy doslidzhennia ekolohichnoi bezpeky yak faktora staloho rozvytku*. [Scientific basis of environmental safety studies as a factor of sustainable development].
2. Zahorskiy, V. (2005). *Hlobalna ekolohichna problema v systemi natsionalnoi bezpeky*. [Global environmental problems in the national security].
3. Kozachenko, T. (2010). *Ekolohichna bezpeka yak peredumova staloho sotsialno-ekolohichnoho rozvytku*. [Environmental security as a prerequisite for sustainable social and environmental development].

## **INNOVATION ECOSYSTEMS FOR SUSTAINABLE DEVELOPMENT**

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Among the main issues we face today dynamics of changes and unpredictability of transformation trajectories should be definitely mentioned. As a result of even just these two our own lives are faster and working conditions are more and more demanding. From personal micro-level to socio-economic macro-level we can see human creativity and its innovative outcomes. And at all that levels different socio-economic